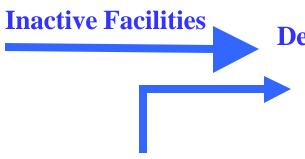


D. W. Freeman Westinghouse Savannah River Company







Determine Facility Risk Ranking

- Complete Screening Checklist
- Tabulate Risk Ranking

Hazards Management

- Annual Screening Update
- Identify New Hazards
- Make Changes to Risk Ranking



Mitigate Hazards

- Confirm Readiness
- Perform Work Safely

Hazards Evaluation

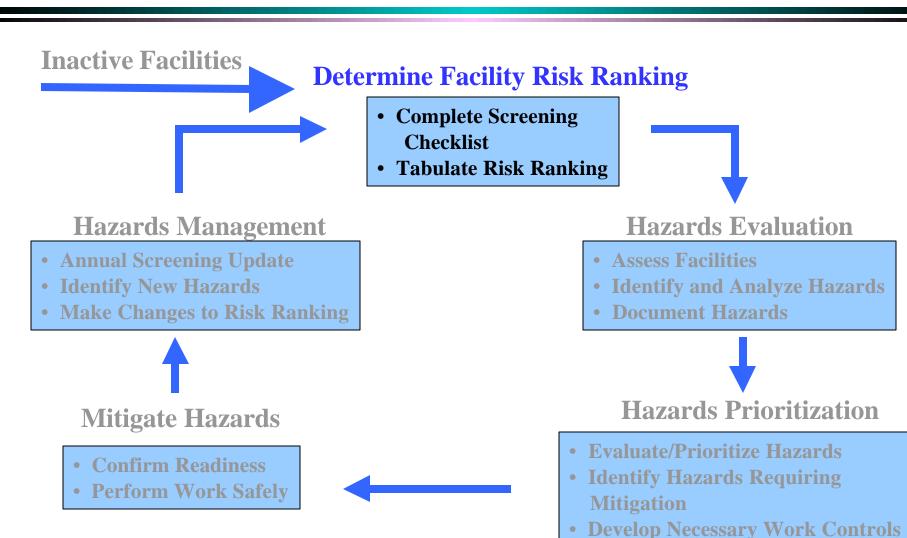
- Assess Facilities
- Identify and Analyze Hazards
- Document Hazards



Hazards Prioritization

- Evaluate/Prioritize Hazards
- Identify Hazards Requiring Mitigation
- Develop Necessary Work Controls







FACILITY RISK RANKING

- Facility Hazard Screening Reviews Conducted
 - * Identifies facilities with worst hazards
 - * Reviews performed by cognizant facility personnel
 - Simplified checklist approach
 - * Output is risk-ranked prioritization listing

FY99 FACILITY REVIEW CHECKLIST

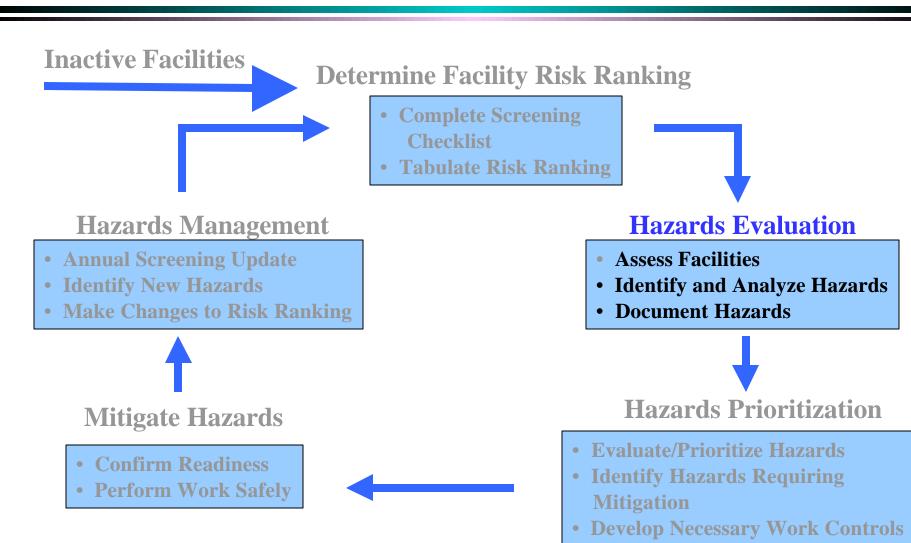
Facility #:	Facility Name:			
Area Structure Number		Str	ucture nar	ne
Structure Class	Structur	е Туре		Lifecycle
	Departmer			Facility Custodian:
Facility Reviewer (print name)			Review da	
Facility Counci POC		Structu	re_ID	Risk ranking score
Worker Occupancy Building occupied or routinely entered (if entered state frequency as a comme	O Yes	O No	O N/A	Environmental Release Potential radiological release O Yes O No O N/A (air, ground, ground water)
Is the structure located within 100 feet of an occupied building or area	O Yes	O No	O N/A	Potential chemical spill O Yes O No O N/A (releases to air, ground, ground water)
Are entry controls maintained	O Yes	O No	O N/A	Existing remediation programs in place O Yes O No O N/A
Building/Structure Integrity				Potential hazardous material (asbestos, PCB, etc) O Yes O No O N/A
Do hazards exist at building entry points Structural damage to walls roofs & stairs Signs of water/animal intrusion, roof leaks or groundwater entry	O Yes O Yes O Yes	O No	O N/A O N/A O N/A	Process Systems Residual process material in tanks/ O Yes O No O N/A piping. If yes, list material types/locations below.
Building Systems are Functional				Surveillance & Maintenance (S&M) Program
Utilities functional (electricity, HVAC, steam, lighting)	O Yes	O No	O N/A	Estimated S&M (Check only one, annual S&M costs less than) \$\infty\$ \$100k \$\infty\$ \$500k \$\infty\$ \$10M \$\infty\$ \$50M
Fire protection operational (sprinklers, fire alarms, extinguishers)	O Yes	O No	O N/A	Status of S&M Plan (Check One) O in place now O being developed O no defined plan O N/A
Communications available (phone) Public Address system operational	O Yes O Yes		O N/A	Status of Safety Basis (Check One)
Routine waste handling/disposal (no waste accumulation)	O Yes		O N/A	O in place now O in place, not current O not defined O N/A Hazardous Energy Review
General Industrial Safety (hazards present)				Electric Power O Isolated O Controlled O Unknown Steam O Isolated O Controlled O Unknown
Tripping, falling, slipping	O Yes	O No	O N/A	Steam O Isolated O Controlled O Unknown Compressed Air O Isolated O Controlled O Unknown
Striking / being struck (overhead hazards, clearances,etc.)	O Yes	O No	O N/A	Compressed Gases O Isolated O Controlled O Unknown
Drowning, suffocation, confined spaces	O Yes	O No	O N/A	Residual Chemicals
Electrocution & shock potential (high voltage, transformers, open boxes,)	O Yes	O No	O N/A	Hi/Lo Pressure Water O Isolated O Controlled O Unknown
Noise & hearing protection required	O Yes	O No	O N/A	Is immediate corrective action required?
<u>Personnel Exposure to Hazards</u> Biological (animals, rodents, insects,)	O Yes	O No	O N/A	(If yes, contact facility custodian) O Yes O No O N/A Comments/Concerns:
Biological (mold, fungus, poor air quality)	O Yes	O No	O N/A	
Radiological contamination (internal uptake & external exposure)	O Yes	O No	O N/A	
Hazardous materials - non-rad (asbestos, mercury, cadmium)	O Yes	O No	O N/A	
Hazardous chemicals	O Yes	O No	O N/A	
Chemicals present not in SARA II Inventory (if yes, list type and quantity)	O Yes	O No	O N/A	
Chemicals stored in degrading	O Yes	O No	O N/A	



FACILITY RISK RANKING

- Systematic Facility Risk Rating and Prioritization Ranking Algorithm Using Field Review Results
- Field Review Evaluated Facility Conditions:
 - * Structural integrity
 - Worker occupancy
 - Industrial safety
 - * Radiological hazards
 - Hazardous materials
 - Environmental releases
 - Administrative controls/safety basis
 - Ongoing surveillance & maintenance efforts



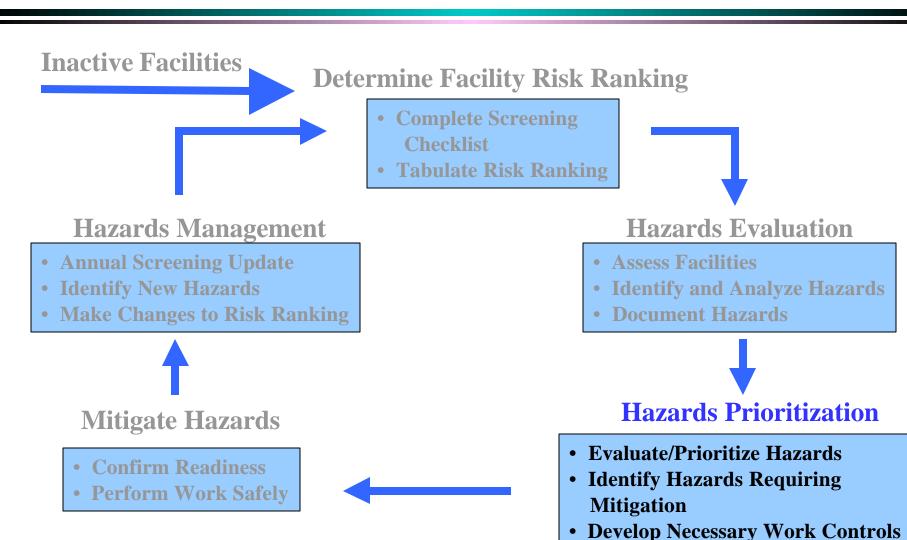




HAZARDS EVALUATION

- Facilities Reviewed in "Risk Ranked" Priority Order
- Detailed Facility Evaluation
 - * Field walkdowns
 - Documentation reviews
 - * Interviews
- Hazards Identified
- Hazards Formally Documented



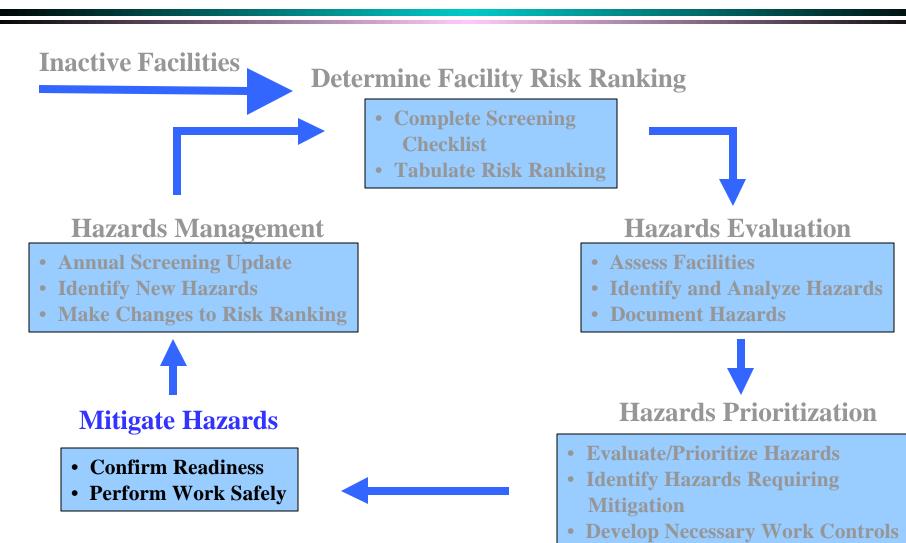




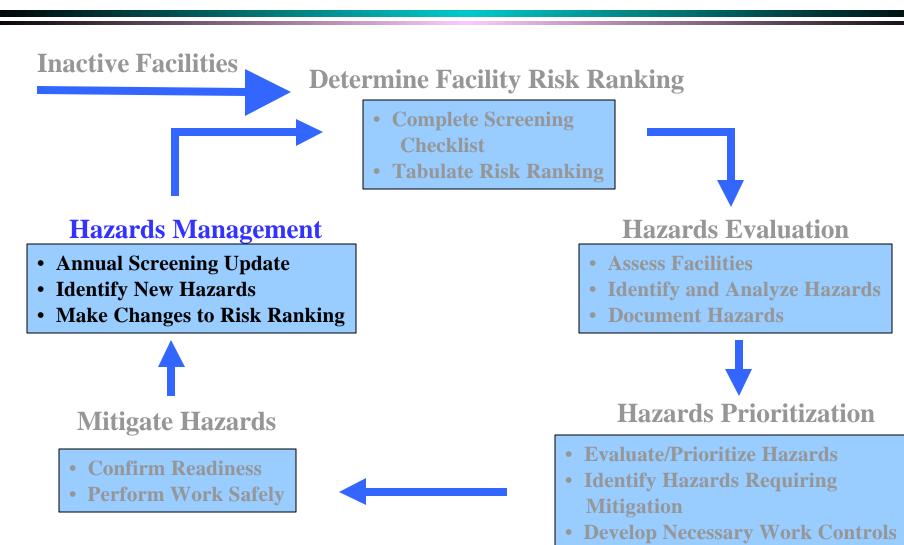
HAZARDS PRIORITIZATION

- Hazards Evaluated
 - Use DOE-ES&H Risk-Based Prioritization Model (RPM)
- Multi-Disciplined Team Review
- Hazards Assigned a Numerical Risk Score
- Hazards Prioritized
- Workscope Determined











HAZARDS MANAGEMENT

- Facility Hazard Screening Reviews Updated Annually
- Any Newly Identified Hazards
 Evaluated
- Hazards Status/Risk Ranking Updated



SUMMARY

- Systematic Methodology For Managing Facility Hazards
- Hazards Identified
- Consistency in Hazards Evaluation
- Dynamic Process With Ongoing Feedback
- Hazards Are Actively Being Removed
- Risks Are Minimized
 - * Facility workers
 - * Environment
 - * Public